

# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

Common Name	Hangsterfer's R-100	Code	H-R100-97
Supplier	Company Name: Company Address: Phone: Fax:	MSDS#	00430
Synonym	Not determined.	Validation Date	3/1/97
Trade name	Hangsterfer's R-100	Print Date	8/25/97
Material Uses	Not determined.	In case of Emergency	Emergency Phone: (609) 468-0216 If there are any questions regarding this MSDS, contact Hangsterfer's Laboratories.
Manufacturer	Hangsterfer's Laboratories, Inc. P.O. Box 128 Mantua, NJ 08051 USA Phone: (609) 468-0216 Fax: (609) 468-0200		

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC <sub>50</sub> /LD <sub>50</sub>
No hazardous ingredient.				

## Section 3. Hazards Identification

Routes of Entry	Eyes: Possible - Flush with water for 15 minutes. Get medical attention if necessary. Skin: Highly unlikely - Remove clothing and launder. Wipe off excess, and wash with soap and water. Ingestion: Highly unlikely - Do not induce vomiting. Seek immediate medical attention. Inhalation: Highly unlikely - Place person in well ventilated area/location. Seek medical attention if necessary.
Potential Acute Health Effects	Very slightly to slightly irritating in case of skin contact, of eye contact, of inhalation. Non-corrosive for skin. Non-permeator by skin. Non-irritant for lungs. This product may irritate eyes and skin upon contact.
Potential Chronic Health Effects	Very slightly to slightly irritating in case of skin contact, of eye contact, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-irritant for lungs. <b>CARCINOGENIC EFFECTS:</b> None. <b>MUTAGENIC EFFECTS:</b> None. <b>TERATOGENIC EFFECTS:</b> None. The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastro-intestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.

## Section 4. First Aid Measures

Eye Contact	Flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. If any irritation persists, seek medical attention.
Skin Contact	If the chemical got onto the clothed portion of the body, remove the clothes, protecting your own hands and body. If the chemical touches the person's exposed skin, such as the hands: Gently and thoroughly wash the skin with running water and non-abrasive soap. If any irritation persists, seek medical attention. Wash clothes before using.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the person to rest in a well ventilated area/location. Seek medical attention if necessary.
Hazardous Inhalation	No additional information.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. If ingested, seek medical advice immediately and show the container or the label. If the person is not breathing, perform mouth-to-mouth resuscitation.
Hazardous Ingestion	No additional information.

**Section 5. Fire and Explosion Data**

Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not applicable.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion according to our database.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

**Section 6. Accidental Release Measures**

Small Spill	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. If necessary: <b>Neutralize the residue with a dilute solution of acetic acid.</b> Finish cleaning by spreading water on the surface and dispose of according to local and regional authority requirements.
Large Spill	Our database contains no additional information in case of a spill and/or a leak of the product. Absorb with an inert material and put the spilled material in an appropriate waste disposal. <b>Neutralize the residue with a dilute solution of acetic acid.</b> Finish cleaning by spreading water on the surface and dispose of material into appropriate waste disposal container(s).

**Section 7. Handling and Storage**

Handling	After handling, always wash hands thoroughly with soap and water. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep only in the original container in a cool well-ventilated place.
Storage	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded. Keep only in the original container in a cool well-ventilated place.

**Section 8. Exposure Controls/Personal Protection**

Engineering Controls	Good general ventilation should be sufficient to control airborne levels.	
Personal Protection	Safety glasses. Work Apparel. Gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Suggested protective clothing should be sufficient. Contact the manufacturer if there are any questions.	
Chemical Name or Product Name	CAS #	Exposure Limits
Water	7732-18-5	Not determined.
Hexylene Glycol	107-41-5	CEIL: 25 (ppm) from ACGIH [1996] CEIL: 121 (mg/m <sup>3</sup> ) from ACGIH [1996]

**Section 9. Physical and Chemical Properties**

Physical state and appearance	Liquid.	Odor	Mild (Slight.)
Molecular Weight	Not applicable.	Taste	Slight.
pH (1 % soln/water)	Basic.	Color	Amber. (Light.)
Boiling Point	>100°C (213.8°F)		
Melting Point	May start to solidify at 24°C (75.2°F). Weighted average: 0.09°C (32.2°F)		
Critical Temperature	Not determined.		
Specific Gravity	1.038 (Water = 1)		
Vapor Pressure	<0.01 mm of Hg (@ 20°C)		
Vapor Density	>5 (Air = 1)		
Volatility	<1% (v/v).		
Odor Threshold	Not determined.		
Evaporation rate	<1 [Butyl acetate.]		
Viscosity	SUS @ 100°F = 45 / cSt @ 40°C = 6		
Water/Oil Dist. Coeff.	The product is much more soluble in water.		
Ionicity (in Water)	Non-ionic.		
Dispersion Properties	Partially dispersed in acetone. Very slightly dispersed in methanol. Is not dispersed in diethyl ether, n-octanol. See solubility in water.		
Solubility	Easily soluble in cold water, hot water. Very slightly soluble in methanol, acetone. Insoluble in diethyl ether, n-octanol.		
Physical Chemical Comments	Not determined.		

**Section 10. Stability and Reactivity Data**

Chemical Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with various substances	Reactive with acids. Slightly reactive to reactive with oxidizing agents. Non-reactive with reducing agents, combustible materials, organic materials, metals, alkalis.
Hazardous Decomposition Products	Short term hazardous decomposition products are unlikely. Long term hazardous decomposition products are unlikely. Decomposition can result in release of undefined organics, carbon oxides(CO, CO <sub>2</sub> ), as well as nitrogen oxides(NO, NO <sub>2</sub> ).
Hazardous Polymerization	No.

**Section 11. Toxicological Information**

Toxicity to Animals	Acute oral toxicity (LD50): >5000 mg/kg (Mouse). Acute dermal toxicity (LD50): > 5000 mg/kg (Rabbit). LC50: Not determined.
Chronic Effects on Humans	The substance is not toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, mucous membranes, heart, bladder, spleen, brain, digestive system, lymphatic system, peripheral nervous system, gastro-intestinal tract, cardiovascular system, upper respiratory tract, endocrins, immune system.
Other Toxic Effects on Humans	Very slightly to slightly irritating in case of skin contact, of eye contact (irritant), of Inhalation. Non-corrosive for skin. Non-permeator by skin.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Special Remarks on other Toxic Effects on Humans	No additional remark.
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**Section 12. Ecological Information**

Ecotoxicity	Not determined to be an ecotoxin.
BOD5 and COD	Not determined.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Products of biodegradation may include undefined organics and carbon oxides(CO, CO <sub>2</sub> ), as well as nitrogen oxides(NO, NO <sub>2</sub> ,...).
Toxicity of the Products of Biodegradation	The products of degradation are non-toxic.
Special Remarks on the Products of Biodegradation	No additional remark.

**Section 13. Disposal Considerations**

Waste Disposal	Recycle to process, if possible. Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container. Consult your local or regional authorities. In accordance with local and national regulations.
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**Section 14. Transport Information**

DOT Classification	Not a DOT controlled material (United States). Product is considered safe for transport in the U.S.A. Product is not regulated by the U.N.
Proper Shipping Name	NONE
DOT Identification Number	Not applicable (PIN and PG).
Packing Group	NONE
Hazardous Substances Reportable Quantity	Not determined.
Special Provisions for Transport	No special provisions for transport.
TDG Classification	Not controlled under TDG (Canada).
IMDG Classification	Not controlled under IMDG.
IATA Classification	Not controlled under IATA.

**Section 15. Regulatory Information**

Federal and State Regulations	<p>All ingredients that make up this product are listed on the TSCA inventory and are approved for industry use in the U.S.A.</p> <p>Certain ingredients that make up this product are listed on specific "State Right To Know" lists and are approved for industry use in those states.</p> <p>None of the ingredients that make up this product are listed on or regulated by Proposition 65(CA).</p>								
Other Classifications	<table border="1"><tr><td>WHMIS (Canada)</td><td>Not controlled under WHMIS (Canada).</td></tr><tr><td>DSCL (EEC)</td><td>Not controlled under DSCL (Europe).</td></tr><tr><td></td><td>Japan: Not controlled under the Chemical Substance Control Law(MITI).</td></tr><tr><td></td><td>Australia: Not controlled under the National Industrial Chemicals Notification and Assessment Act(NICNAS).</td></tr></table>	WHMIS (Canada)	Not controlled under WHMIS (Canada).	DSCL (EEC)	Not controlled under DSCL (Europe).		Japan: Not controlled under the Chemical Substance Control Law(MITI).		Australia: Not controlled under the National Industrial Chemicals Notification and Assessment Act(NICNAS).
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**Section 16. Other Information**

HMIS (U.S.A.)

Health Hazard	★ 1
Fire Hazard	1
Reactivity	0
Personal Protection	a

National Fire Protection Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

References Manufacturer's Information Database.

Other Special Considerations No other special considerations exist.

Validated by Manufacturer on 3/1/97.

Verified by Edward Jones.

Printed 8/25/97.

Emergency Phone: (609) 468-0216 If there are any questions regarding this MSDS, contact Hangsterfer's Laboratories.

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

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